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- Greater than 12 W of average output power has been generated from a diode-pumped Yb:YAG cladding-pumped planar waveguide laser. The laser radiation developed is linearly polarized...



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- Helmfriid, Sten; Tatsuno, Kimio; Ito, Kenchi
- A novel intensity modulator for second-harmonic waveguide lasers is proposed and theoretically analyzed. Noise caused by spectrum broadening in a diode-laser direct-modulation scheme...



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- Active mode locking of an Er-diffusion-doped Ti:LiNbO<sub>3</sub> waveguide laser by intracavity phase modulation to as high as the fourth harmonic (5.12 GHz) of the axial-mode...



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- Static and dynamic characteristics of weakly index-guided vertical-cavity surface-emitting lasers in a multi-transverse-mode regime are analyzed by use of a model that takes into...



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- We report on the observation of spatiotemporal dynamics on picosecond time scales for an antireflection-coated ridge waveguide laser diode that is only 5  $\mu\text{m}$  wide. Depending on the...

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- A novel wavelength-conversion configuration based on four-wave mixing in an optical fiber has been used to generate a frequency-resolved optical gating (FROG) trace identical to that...



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- Blue light with an average power of as much as 7.5 mW in picosecond pulses has been generated at 486, 488, and 491 nm from a frequency-doubled, nonresonant injection seeded,...



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- Channel waveguides fabricated in Nd-doped glass were used as gain elements for extended-cavity lasers. End-fire pumping was performed with a Ti:sapphire laser operating at 807 nm...

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